

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VI • EXAMINATION – SUMMER • 2015**

**Subject Code: 162805**

**Date: 12/05/2015**

**Subject Name: Technology of Finishing-I**

**Time: 10.30am-01.00pm**

**Total Marks: 70**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Describe the inherent properties of cotton in context to finishing **07**  
(b) Discuss the objects of textile finishing. **07**
- Q.2** (a) Explain in detail the chemistry and application of cationic softeners. **07**  
(b) Describe the inherent qualities of silk and art silk fabrics in context to finishing. **07**
- OR**
- (b) Explain in detail about coating, bonding and lamination processes. **07**
- Q.3** (a) Explain the mechanism of flamability. **04**  
(b) Describe various flame retardant finishes cotton and polyester textiles. **10**
- OR**
- Q.3** (a) Enlist various anti microbial finishes. Explain each in detail. **14**
- Q.4** (a) Discuss various factors that influence soiling of the fabric. **10**  
(b) Write a brief note on 'Chlorine retention problem' **04**
- OR**
- Q.4** What is difference between water proofing and water repellency? Enumerate various types of water repellent substances. Describe in detail any two most popular water repellants. **14**
- Q.5** (a) Describe elaborately the process "Perchmentization". **10**  
(b) Describe in brief the chemistry and application of poly vinyl acetate. **04**
- OR**
- Q.5** (a) What is difference between antcrease finishing and wash- n- wear finishing? Describe the chemistry with salient features of any four cross linking agents. **10**  
(b) Describe the chemistry of starch **04**

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